

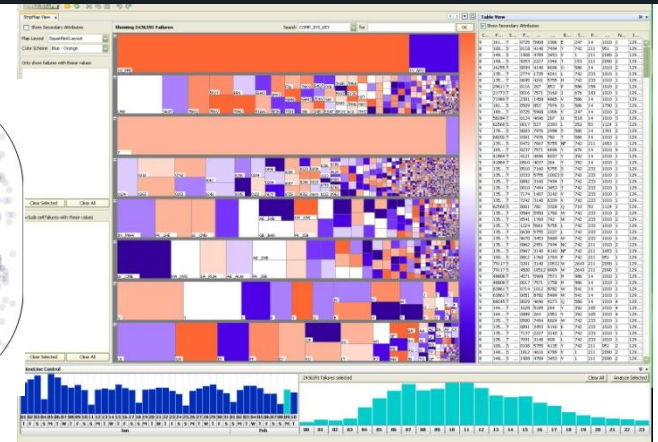
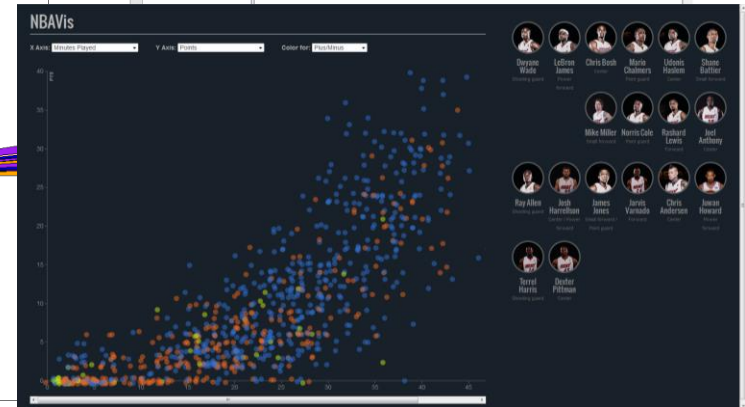
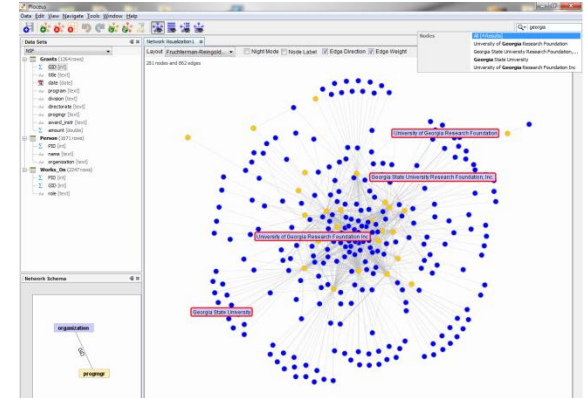
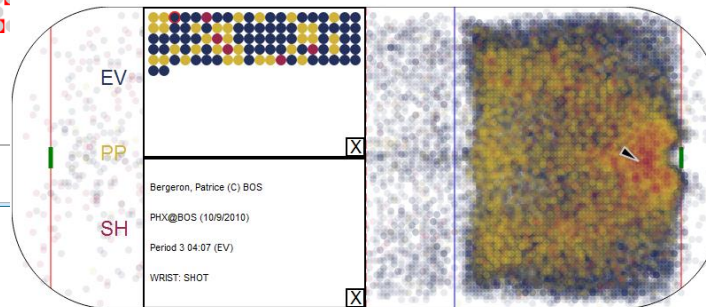
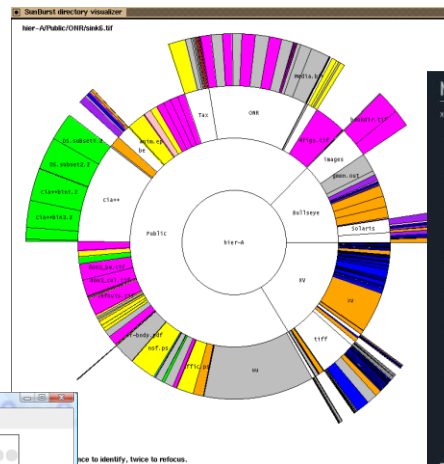
NITRD – Frontiers in Visualization

John Stasko

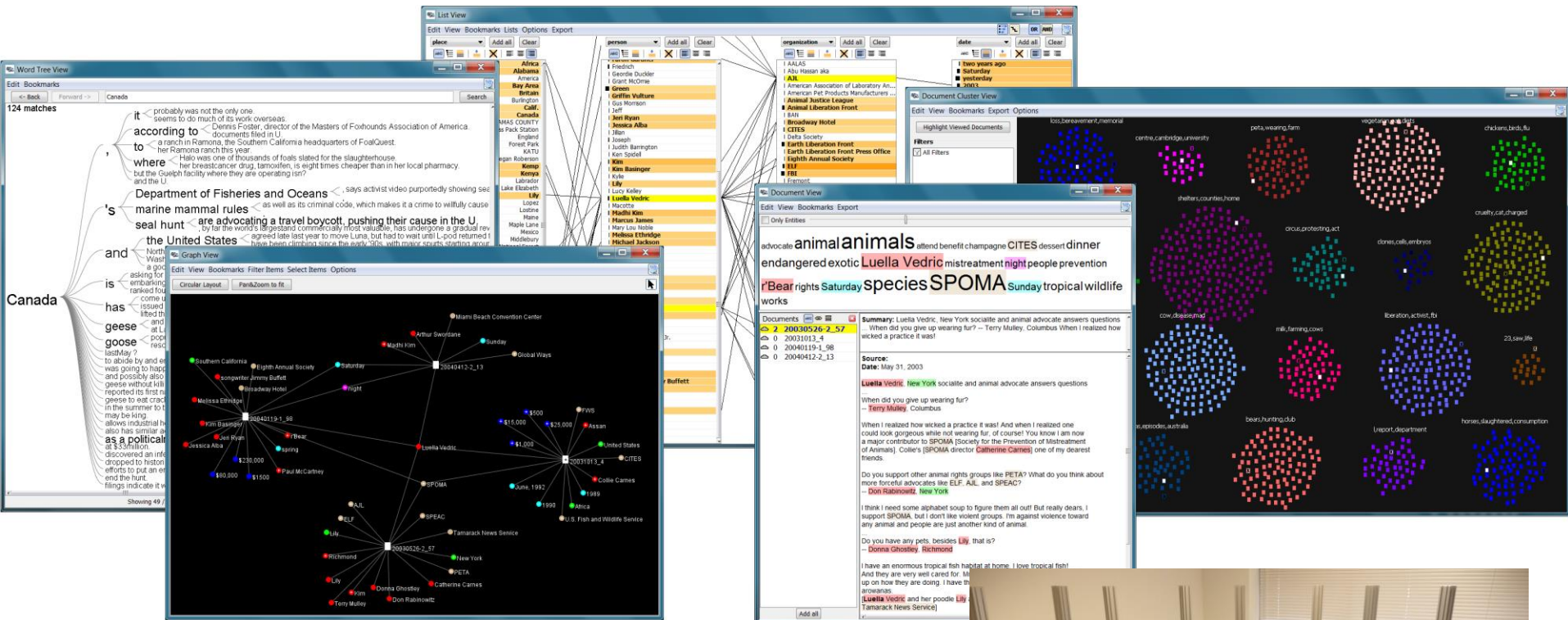
School of Interactive Computing
Georgia Institute of Technology
stasko@cc.gatech.edu



Information visualization & visual analytics

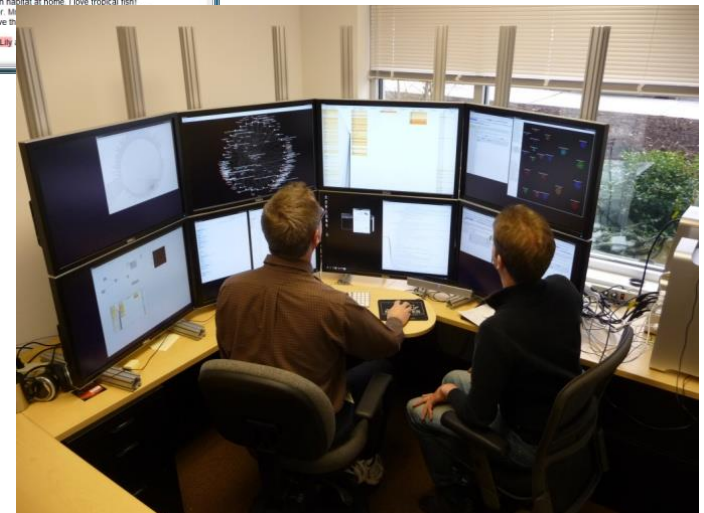


Jigsaw



Visual analytics of large text document collections

Intelligence analysis & law enforcement



Helping our Field Grow

The screenshot shows the IEEE VIS 2013 website homepage. At the top is a banner for VIS 2013, VAST INFOVIS SCIVIS, held from 13-18 October 2013 in Atlanta, Georgia, USA. The banner includes logos for VAST, INFOVIS, SCIVIS, and IEEE. Below the banner is a navigation bar with links for Home, Welcome, and Important Dates. The main content area is divided into three columns. The left column contains a sidebar with links for Welcome, Full Conference Program, At-a-Glance Schedule, Awards and Recognitions, VIS 2013 Surveys, General, Workshops/Tutorials, BioVis Symposium, LDAO Symposium, IEEE VIS Sessions, Keynote and Capstone, Papers, VAST · InfoVis · SciVis · TVCG, 30 Second Videos, VAST · InfoVis · SciVis, Posters, Panels, Workshops, Tutorials, Arts Program, VAST Special Session, Meetup (BOF) meetings, Industry & Gov. Highlights, Supporters and Exhibition, and Conference Registration. The middle column features a 'Welcome' section with links to the final program, AT-A-GLANCE schedule, and slide templates. It also includes a list of brochures for 'WHAT TO DO' and 'WHERE TO EAT' around the conference hotel, and a list of fun things to do in Atlanta. The right column displays 'Important Dates' and 'Supporters (Become One)' with logos for Cisco, NVIDIA, Microsoft, and IBM.

Home
Welcome

The **VIS 2013 FINAL PROGRAM** is available [HERE](#).
You can also find the **VIS 2013 AT-A-GLANCE** schedule [HERE](#).

The **VIS 2013 Slide Templates** are available [HERE](#).

Here are some brochures of **WHAT TO DO** and **WHERE TO EAT** on or around the conference hotel. See you at **IEEE VIS 2013!**

- Walking-distance attractions.
- Restaurant options.
- More restaurant options... with a map.
- Peachtree Center Directory. Right next door!
- 50 fun things to do in Atlanta!
- Finally, don't forget to print out your exclusive made-for-IEEE-VIS attendees [SITC Discounts & Savings Card](#)

IEEE VIS 2013 is the premier forum for advances in scientific and information visualization. The event-packed week brings together researchers and practitioners from academia, government, and industry to explore their shared interests in tools, techniques, and technology.

We invite you to participate in **IEEE Visual Analytics Science and Technology**, **IEEE Information Visualization**, and **IEEE Scientific**

Important Dates

Supporters (Become One)

Platinum

CISCO

NVIDIA

Gold

Microsoft

Silver

Agilent Technologies

IBM

Current Challenges

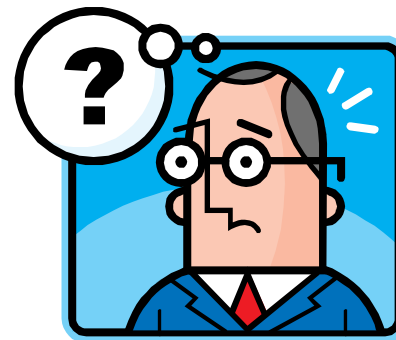
1. Making visualizations easier to create



2. Bringing visualization to (touch) tablets



3. Assessing utility & identifying value



Community's Challenges

Articulating and explaining visualization's value among the collection of data analysis techniques (stats, data mining, machine learning, IR, etc.)

Where do we fit?

computer graphics, stats, hci, data analysis, ...

Wish List

More slots for junior faculty
Increased funding support
Greater recognition of value
Big, cheap, fast displays
...

My Research

<http://www.cc.gatech.edu/gvu/ii>

The screenshot shows a Firefox browser window displaying the website of the Information Interfaces Research Group at Georgia Tech. The browser's address bar shows the URL www.cc.gatech.edu/gvu/ii/. The website has a blue header with the group's logo and name. A left sidebar lists navigation links: About, People, Projects, Publications, Resources, Talks, and Videos. The main content area is divided into two columns. The left column features a list of group members with their photos and names: John Stasko, Alex Godwin, Yi Han, Mengdie Hu, Ramik Sadana, Chad Stolper, Sahithya Baskaran, Eva Luo, Anand Sainath, Neelima Sailaja, and Chloe Xie. The right column is titled 'Hot News' and contains several paragraphs of text about recent events, including John being named an IEEE Fellow, a paper presentation at VAHC '13, a dissertation award, a journal paper in IEEE TVCG, the hosting of IEEE VIS '13, a paper at InfoVis '13, and co-organizing workshops. Below the 'Hot News' section, there are links to the lab, CS 7450 class, VACCINE Center, and FODAVA Center. At the bottom right, there is a cartoon about information being overwhelming. The footer of the website mentions the School of Interactive Computing and the College of Computing.

Firefox
Information Interfaces Research Group
www.cc.gatech.edu/gvu/ii/
old edwards club
Most Visited Getting Started Marietta Traffic 1331 4801 7450 Zimbra T2 Gmail VIS 2013 JazzRadio KPLU Soccer IHills ihmga Facebook SKYJazz beIN KUJ Firefox Start

information interfaces

About
People
Projects
Publications
Resources
Talks
Videos

The Information Interfaces Group, an HCI research group in the School of Interactive Computing at Georgia Tech, develops computing technologies that help people take advantage of information to enrich their lives.
[More about the lab approach](#)

Projects

Jigsaw
Using visualization and visual analytics to help analysis and sensemaking on text document collections.
ACTIVE DOWNLOADS PAPERS

CiteVis
Exploring conference paper citation data visually.
ACTIVE DOWNLOADS PAPERS

Touch Interaction
Developing interaction techniques for visualization on touch-based tablet and mobile devices.
ACTIVE PAPERS

Social Media Visual Analytics
Helping people analyze and understand social media through interactive visualization and other techniques.
ACTIVE PAPERS

Behavis
Using visual analytics to help psychologists explore social and communicative behaviors.
ACTIVE PAPERS

Rosemary
Building novel interactive visualizations without programming.
ACTIVE

SetVis
Exploring boolean set data through visualization and direct manipulation.
ACTIVE DOWNLOADS PAPERS

Sports Data Visualization
Visualizing sports data to help people understand, analyze, and predict sporting events.
ACTIVE PAPERS

dotlink360
Analyzing and exploring converging business ecosystems through visual analytics.
ACTIVE PAPERS

Hot News

John was recently named to be an IEEE Fellow, effective Jan. 2014.

In November, John was appointed as an **Honorary Professor in the School of Computer Science** at the Univ. of St. Andrews in Scotland.

We presented a **paper** about visualizing social and communicative behaviors at **VAHC '13** in November.

Lab alum Zhicheng "Leo" Liu's PhD thesis was selected as runner-up in the **VGTC Visualization Pioneer Group's 2013 dissertation awards**. See [photo](#).

A **journal paper** about how Jigsaw combines computational text analysis with interactive visualization appeared in the Oct. '13 **IEEE TVCG** issue, and was presented at one of the VIS '13 TVCG sessions.

We hosted **IEEE VIS '13** here in Atlanta in October. (See [photos](#).) Thanks to all the attendees for the positive feedback!

We had a paper about **dotlink360** appear at InfoVis '13 this fall, and we presented 4 other posters at VIS as well.

We co-organized the **Public Health Data Visualization and Sports Data Visualization** workshops at VIS this fall.

II Lab - Visit our lab
CS 7450 - InfoVis Class
VACCINE Center
FODAVA Center

INFORMATION IS GUSHING TOWARD YOUR BRAIN LIKE A FIREHOSE AIMED AT A TEACUP.

- School of Interactive Computing
- College of Computing